





NAVY TANKER T2-SE-A2 MISSION SANTA YNEZ(AO-134)

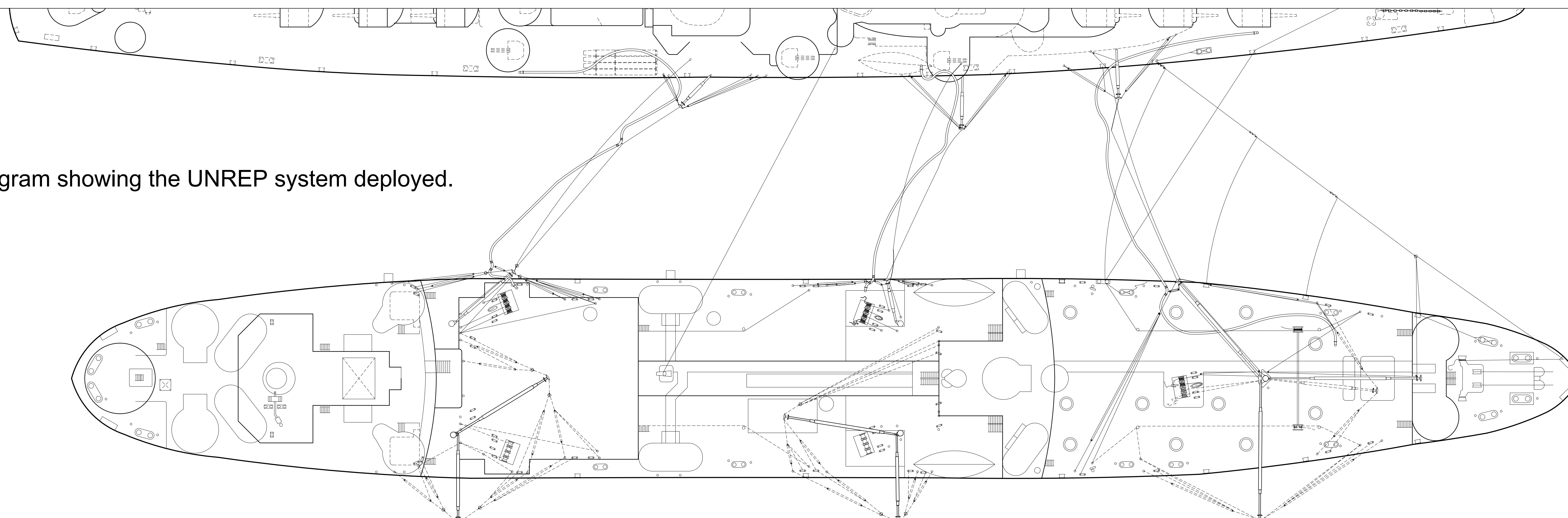
LAUNCH DATE: DECEMBER 19, 1943

The Marinship Corporation constructed thirty-one "Mission" class tankers for the U.S. Navy. The design was an adaptation from the T2-SE-A1, with the exception of a larger power plant - 10,000 hp versus 6,000 hp. Members of this class served in the U.S. Navy, Naval Transportation Service, and Military Sea Transportation Service - later Military Sealift Command. The *Mission Santa Ynez* transported fuel products from 1943 to 1975 and significantly contributed to her country in times of war and peace. She is the last *Mission* tanker afloat.

Principle Dimensions:
Length (oa): 523'6"
Beam: 68'
Draft: 30'
Cargo Capacity: 120,400
barrels (oil)
Displacement: 21,880 (fl) tons



Diagram showing the UNREP system deployed.



(Chartered to Pacific Tankers, the *Mission Santa Ynez* carried fuel to United States forces overseas during WWII.)

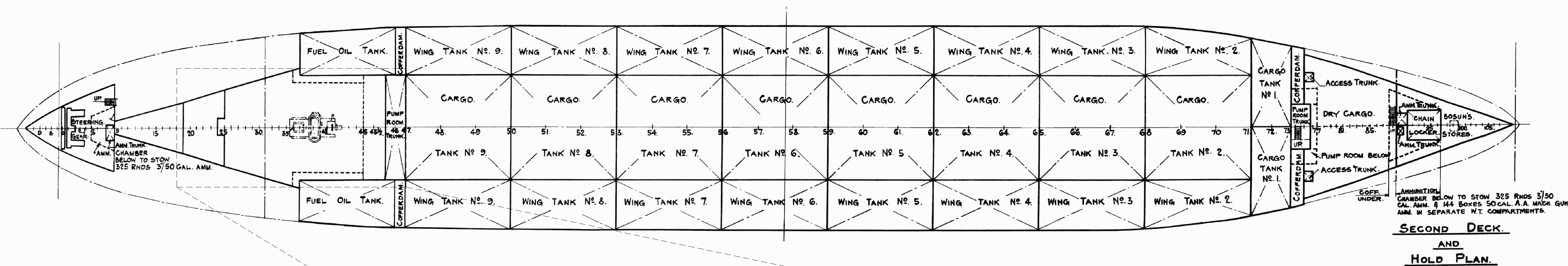
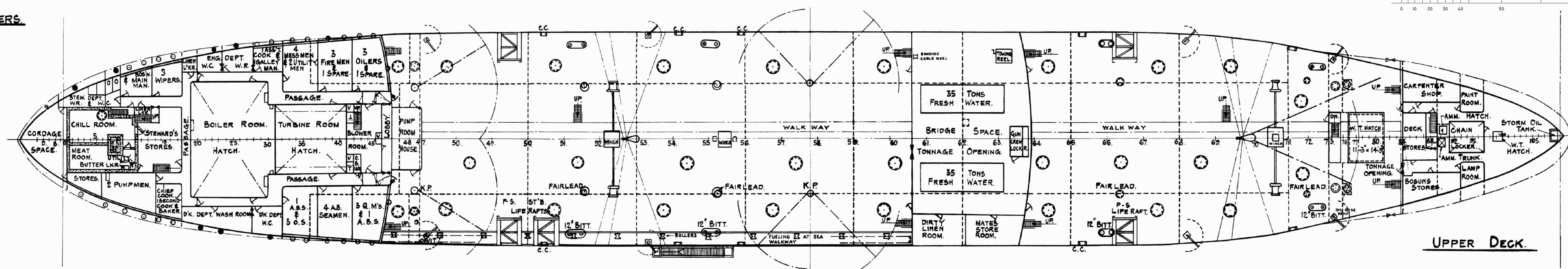
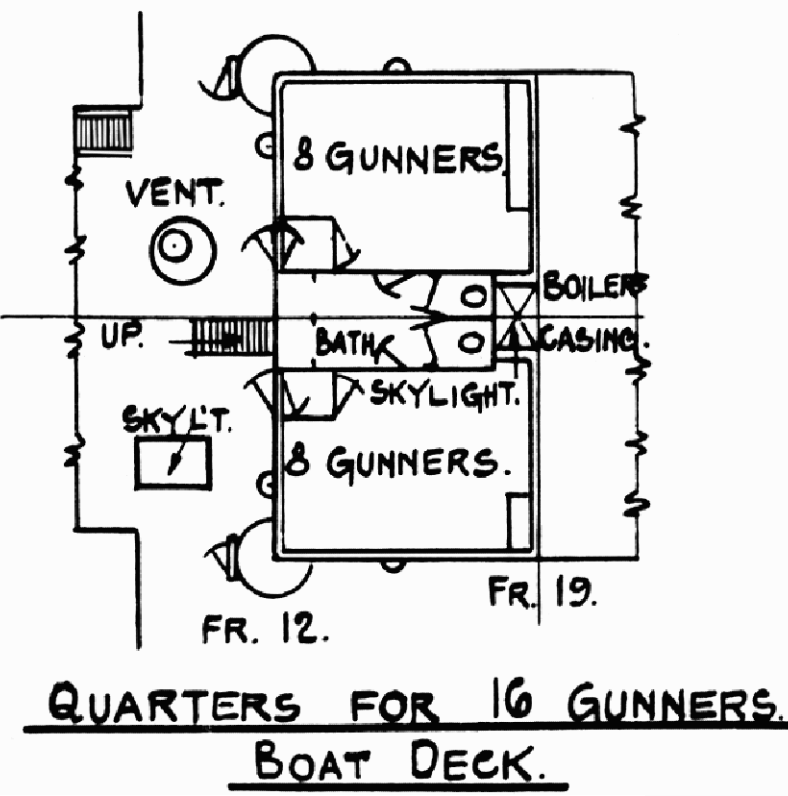
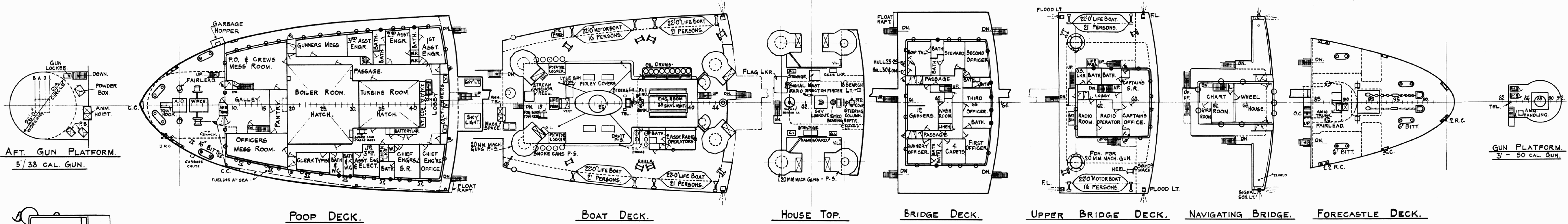
LAUNCHED: Sausalito, CA
12.19.1943

LAID UP: James River, VA
03.28.1946

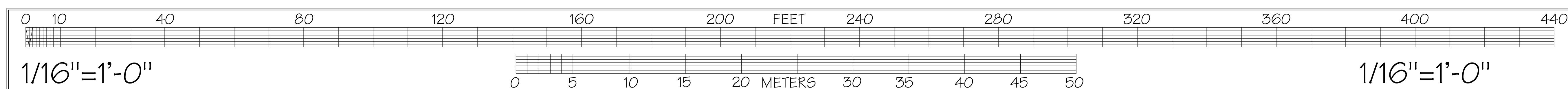
This project was cosponsored by the Historic American Engineering Record (HAER) and the U.S. Maritime Administration (MARAD). The project was directed by Todd A. Croteau, HAER Maritime Program Coordinator and Erhard Koehler, MARAD Ships Disposal Coordinator. Team members included; Brian Clayton - Historian, Crystal Olin - Architect, and Jet Lowe - HAER Staff Photographer.

NOTE:

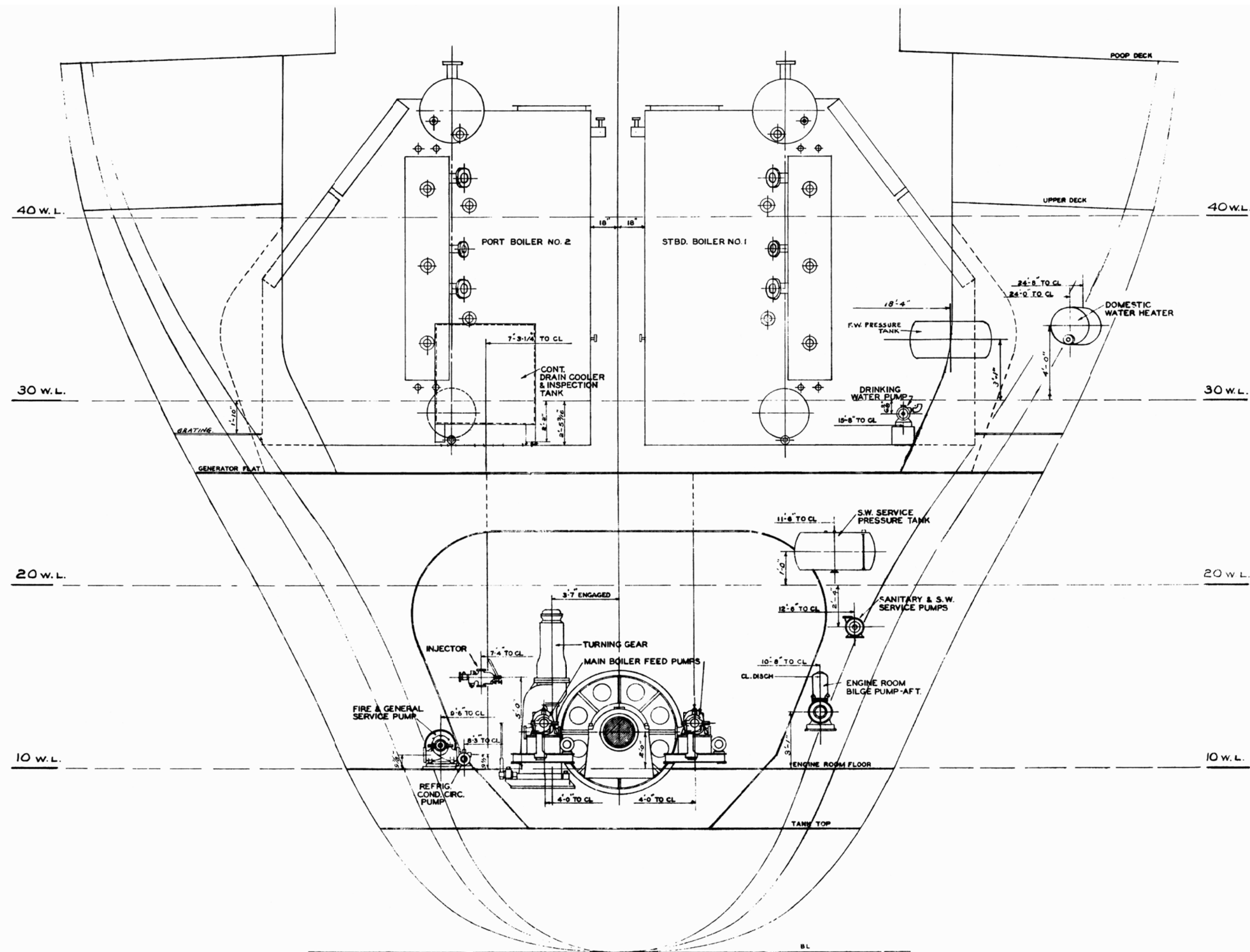
Please refer to the U.S. NAVY OILERS AND TANKERS (HAER DC-62): UNDERWAY REPLENISHMENT AND FUELING TECHNOLOGIES documentation set for a detailed account of how the *Mission Santa Ynez* and related ships functioned at sea.



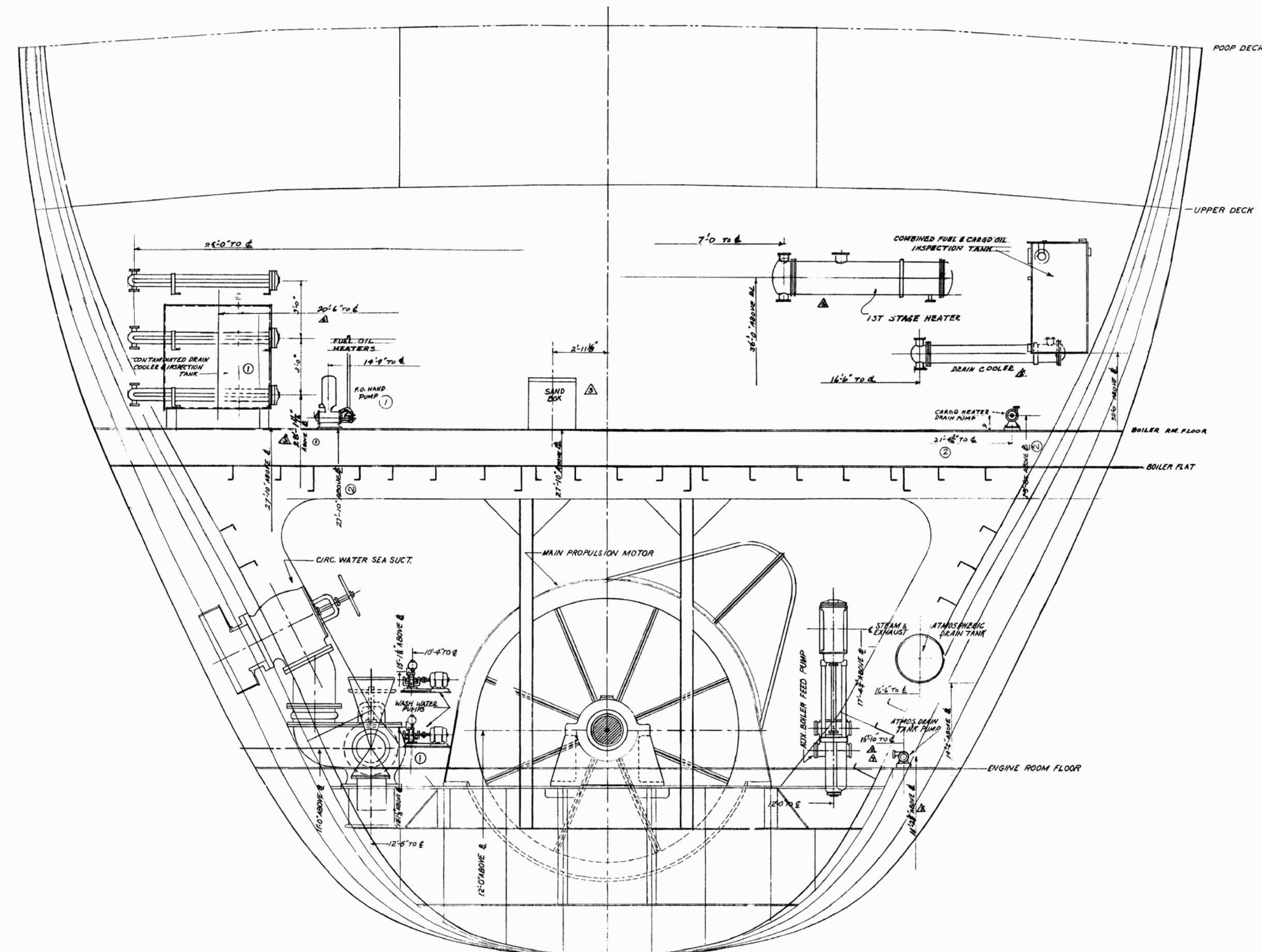
SEE SHEETS 6, 7, AND 8 FOR DETAILING OF THESE PUMP AND ENGINE ROOMS.



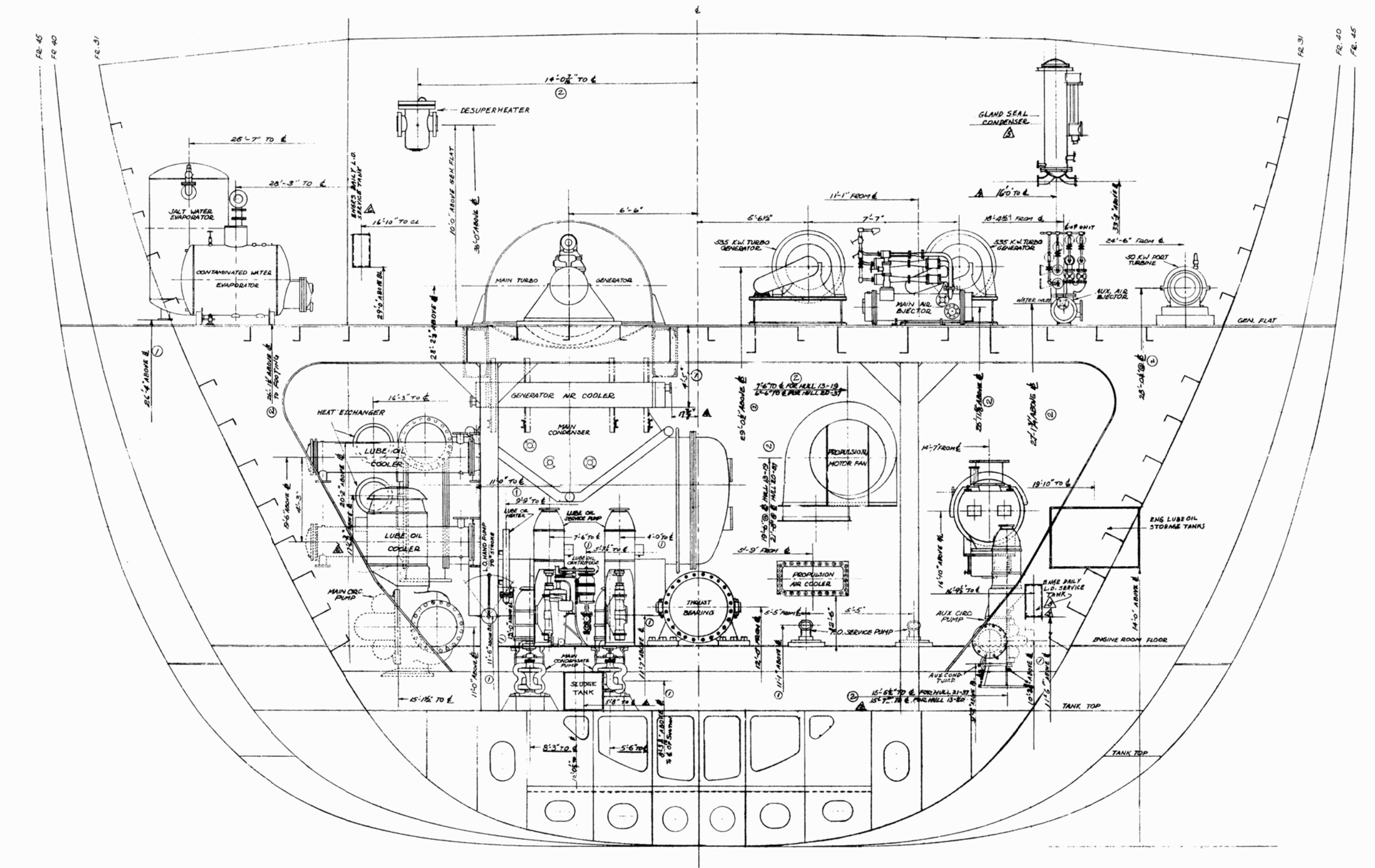
NOTE: DRAWINGS ARE SCANS OF ORIGINAL DRAWINGS LOCATED AT THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION



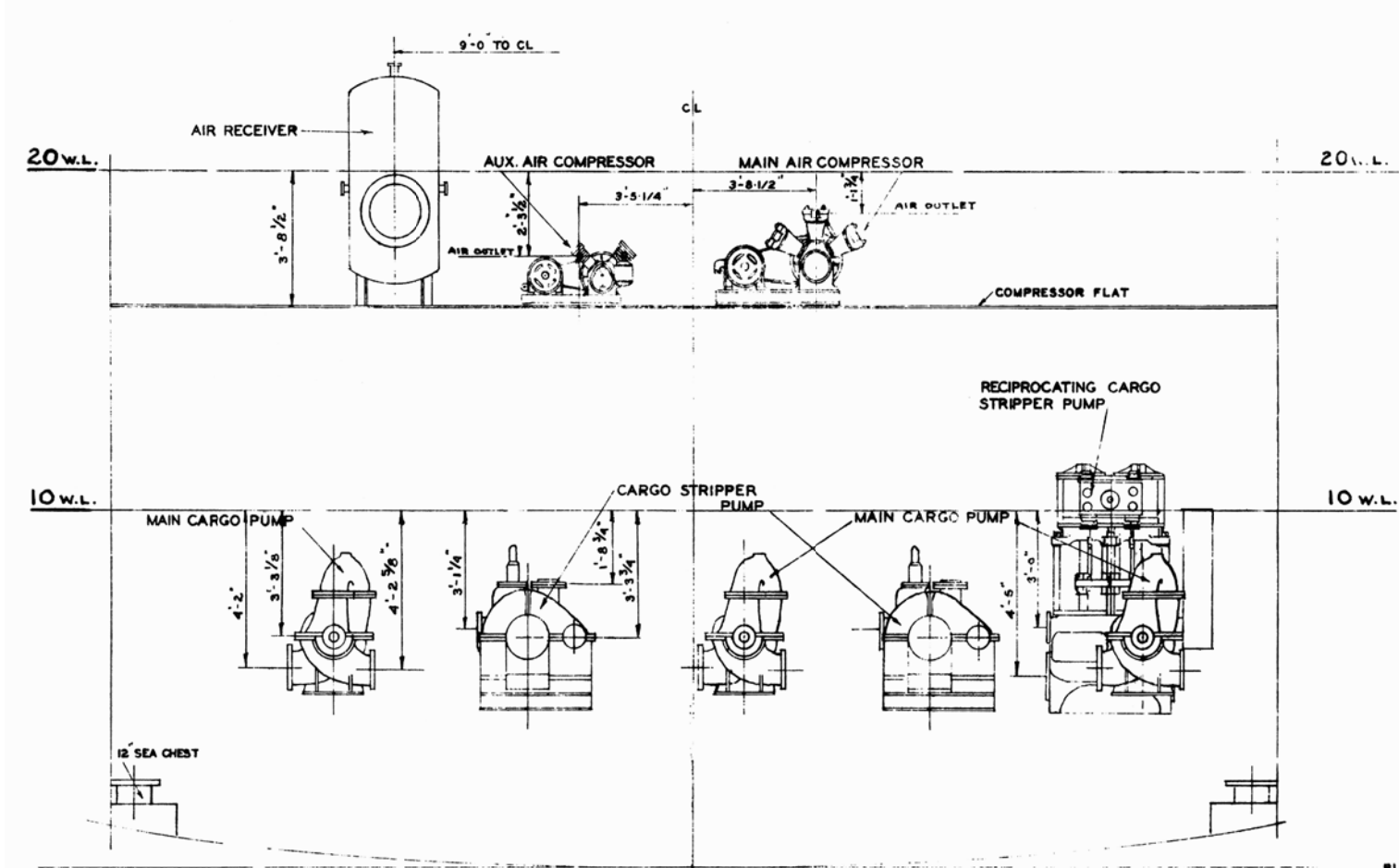
1 SECTION AT FRAME 19 LOOKING FORWARD



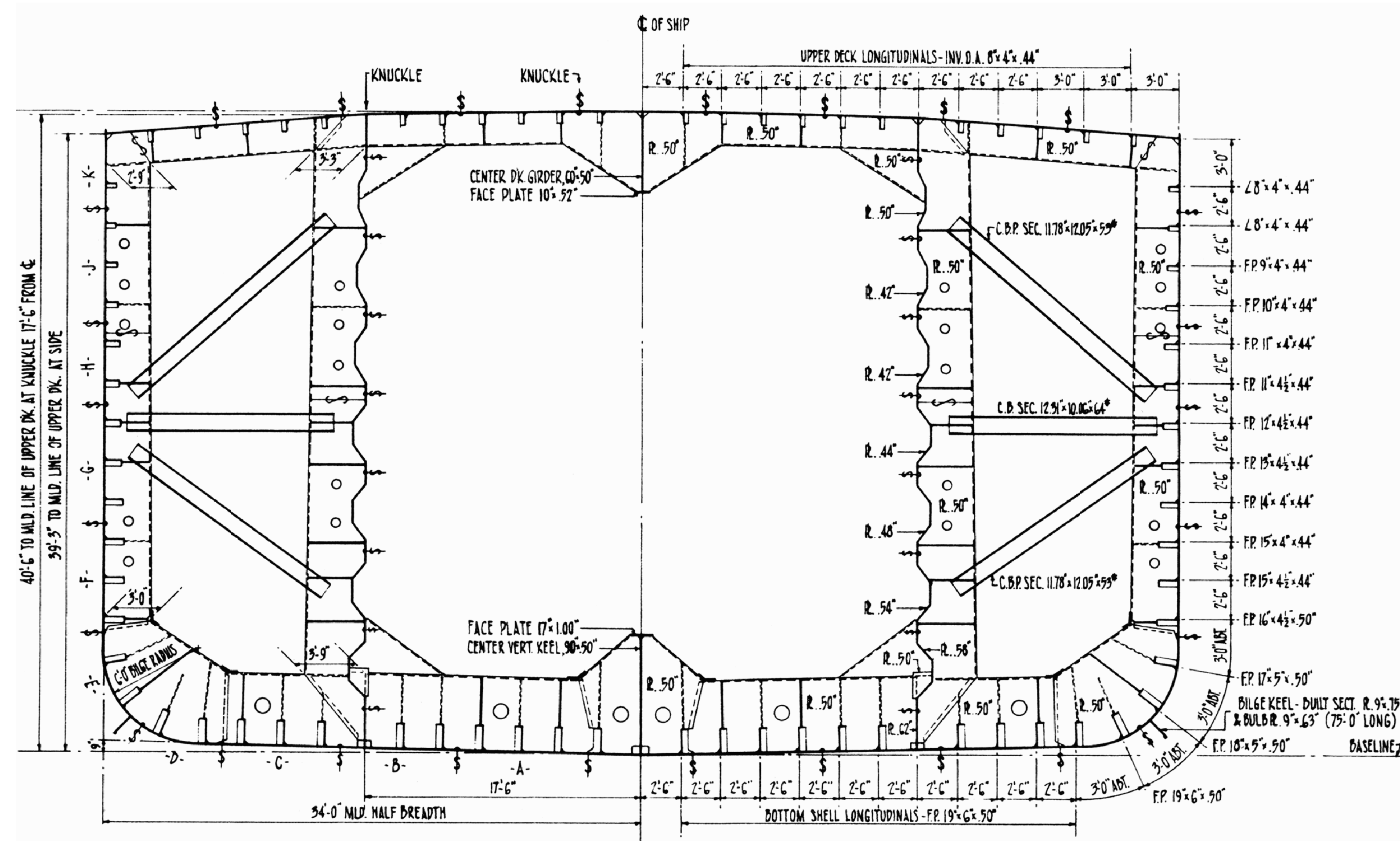
2 SECTION AT FRAME 25 LOOKING FORWARD



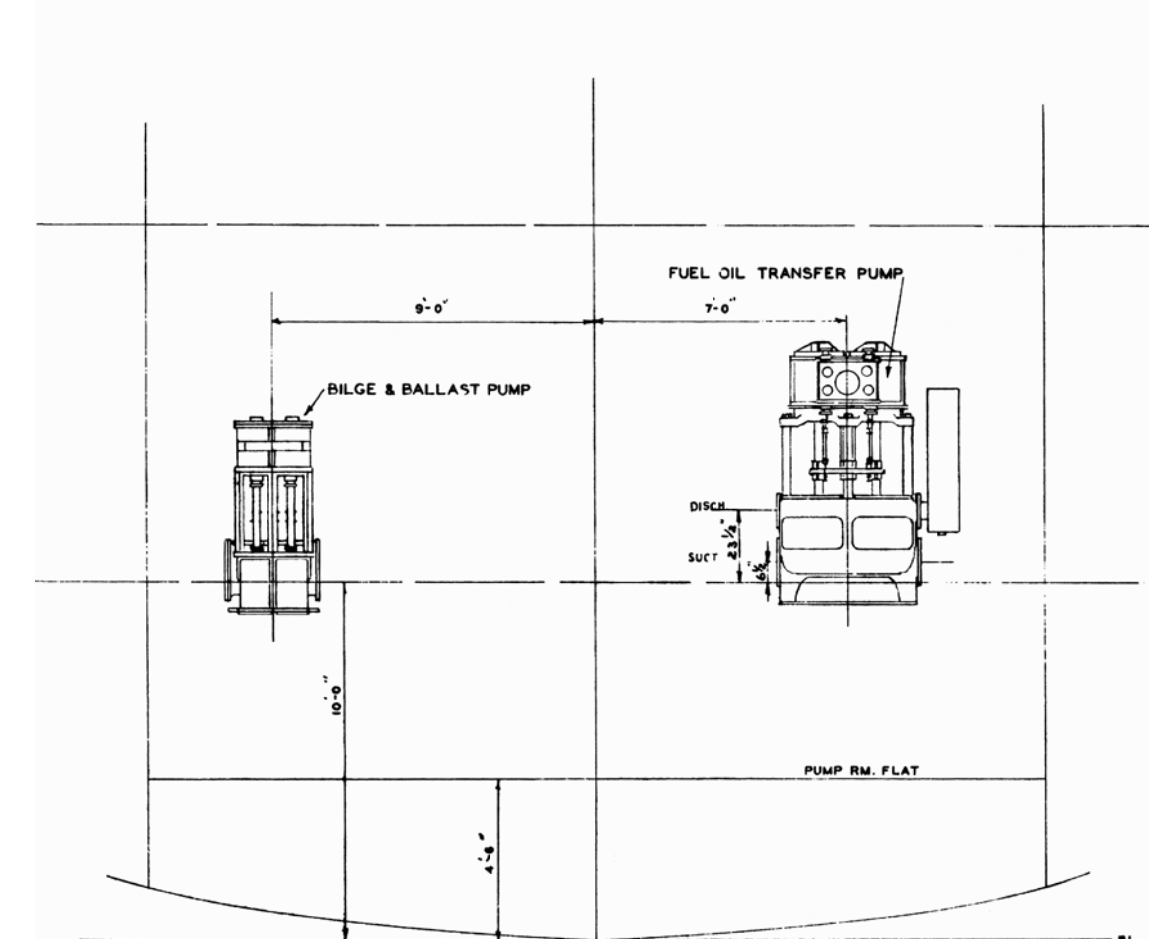
3 SECTION AT FRAME 31 LOOKING FORWARD



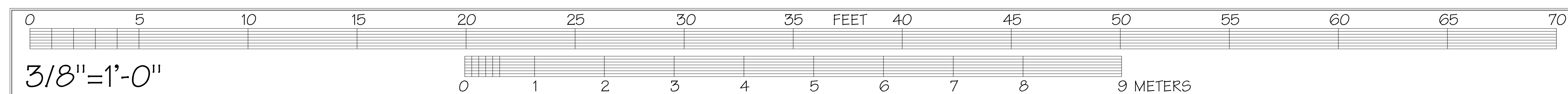
4 SECTION AT FRAME 45 LOOKING FORWARD



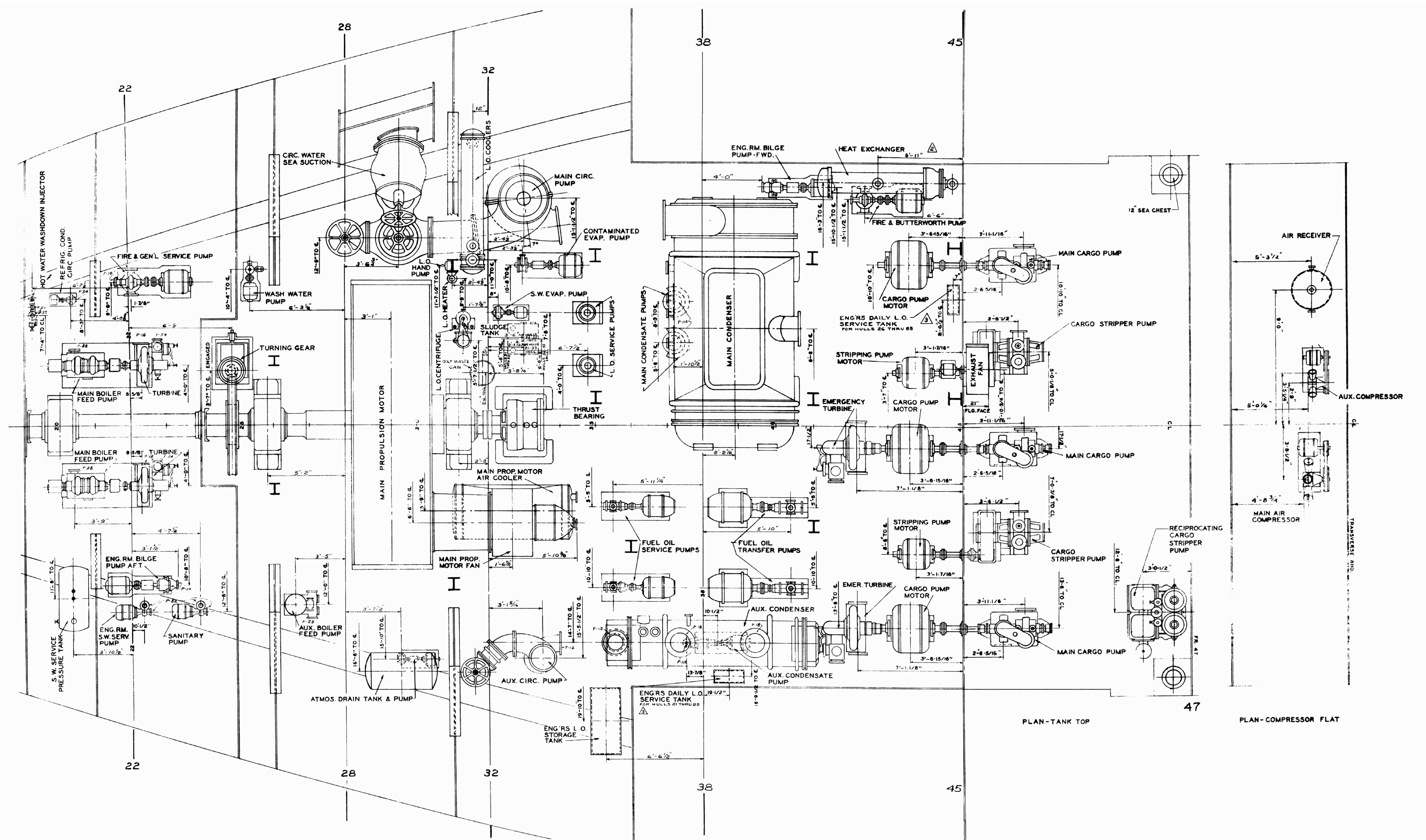
5 SECTION THROUGH CORRUGATED CARGO TANK MID-SHIP



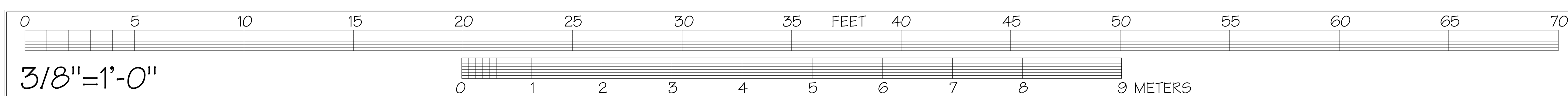
6 SECTION AT FRAME 73 LOOKING FORWARD



NOTE: DRAWINGS ARE SCANS OF ORIGINAL DRAWINGS LOCATED AT THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION



PLAN: ENGINE ROOM AFT PLAN: PUMP ROOM AFT



NOTE: DRAWINGS ARE SCANS OF ORIGINAL DRAWINGS LOCATED AT THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION

DELINATED BY: REFORMATTED SCANS OF ORIGINAL DRAWINGS BY C.V. OLIN, 2006

HAER MARITIME
RECORDING PROGRAM
NATIONAL ARCHIVES
UNITED STATES DEPARTMENT OF THE INTERIOR

BENICIA VICINITY

MISSION SANTA YNEZ (AO-134)
SUNSHINE RESERVE FLEET
SOLANO

CALIFORNIA

SHEET
5 OF 8

HISTORIC AMERICAN
ENGINEERING RECORD
CA-337

IF REPRODUCED PLEASE CREDIT THE HISTORIC AMERICAN ENGINEERING RECORD NATIONAL PAPER SERVICE, NAME OF THE DRAWING, DATE OF DRAWING

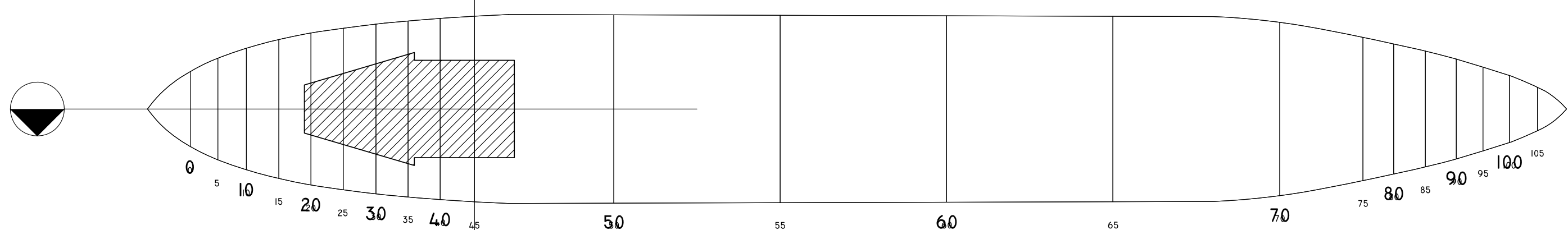


Diagram illustrating the relationship between feet and meters:

- The top ruler shows a scale from 0 to 70 feet, with major markings every 5 feet and subdivisions every 1 foot.
- The bottom ruler shows a scale from 0 to 9 meters, with major markings every 1 meter and subdivisions every 10 centimeters.
- The text $3/8" = 1'-0"$ is displayed, indicating a specific conversion or relationship between the units.

HAER MARITIME

DALE HARTSHILL
RECORDING PROGRAM
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

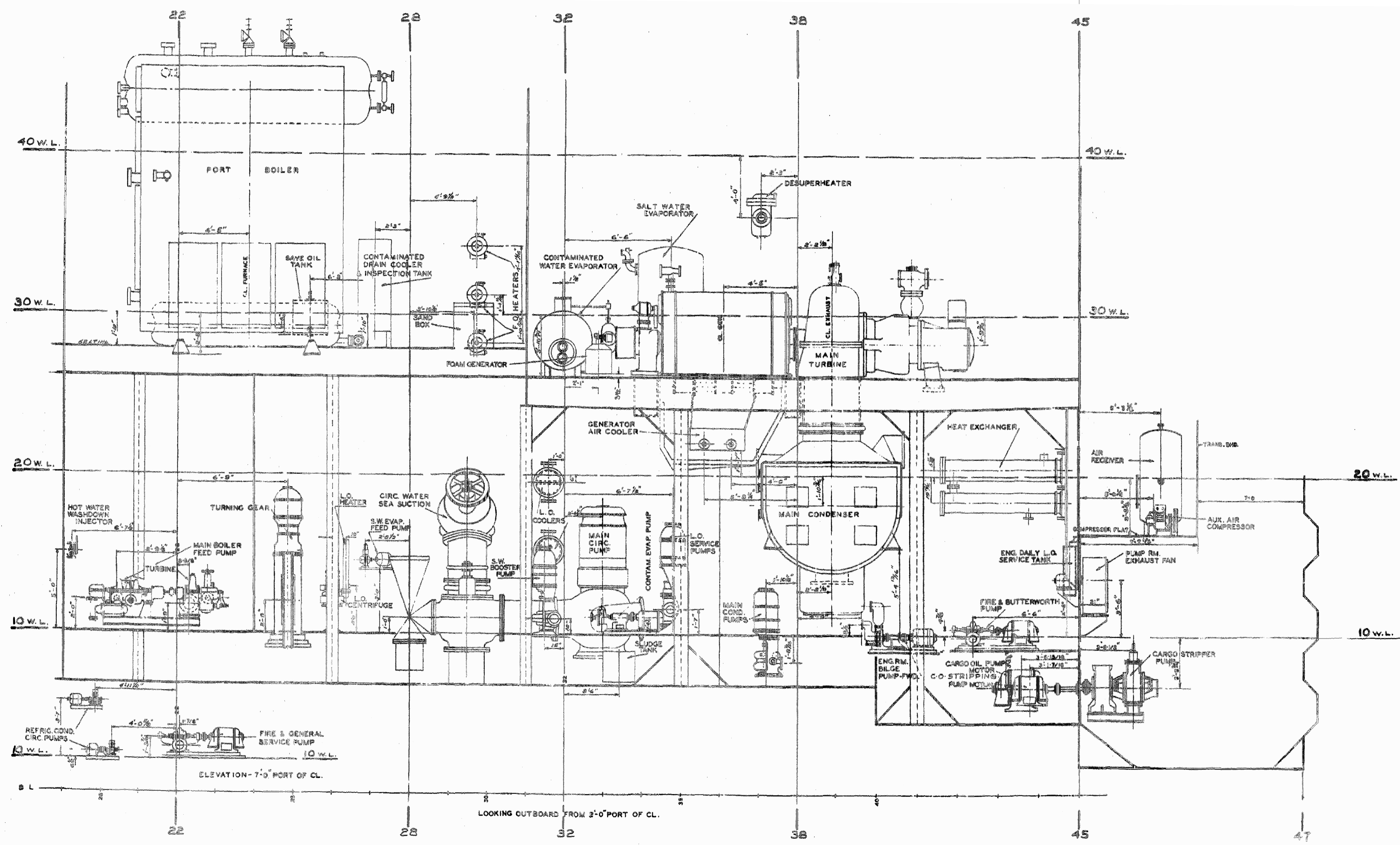
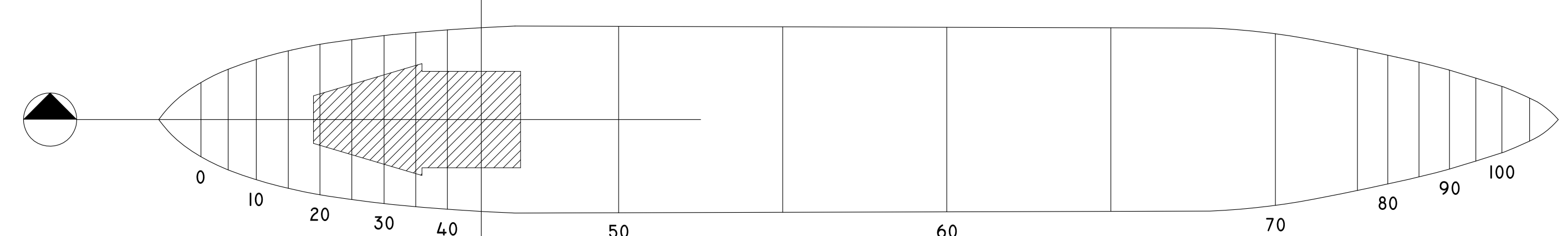
MISSION **SANJA YNEZ (A0-134)**
SUISUN BAY RESERVE FLEET
SOLANO

CALIFORNIA

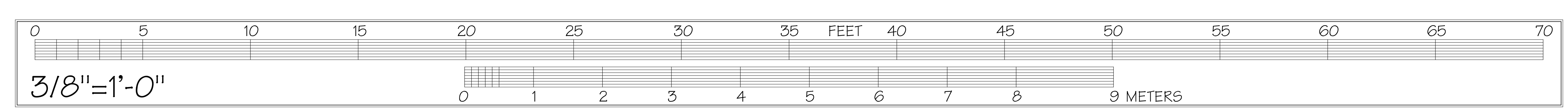
SHEET
6 OF 8

HISTORIC AMERICAN
ENGINEERING RECORD
CA-337

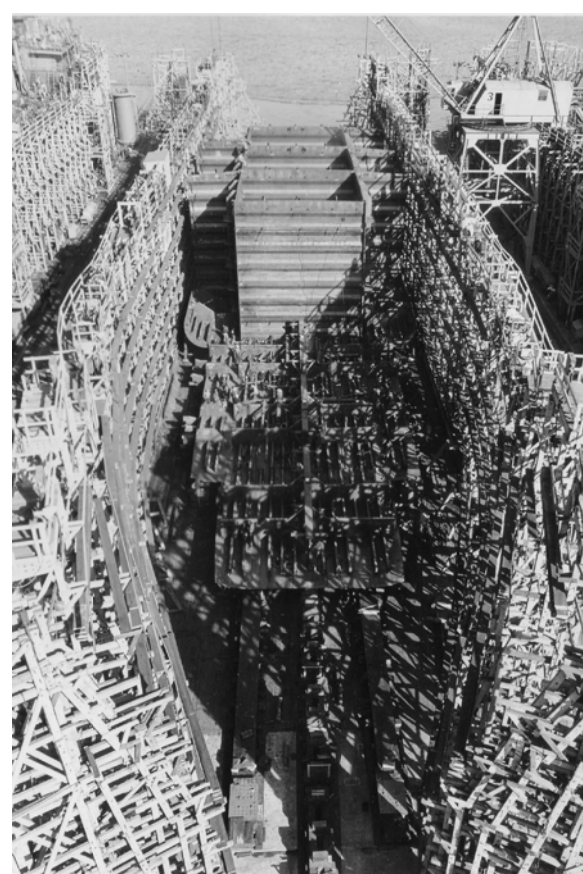
LIBRARY OF CONGRESS



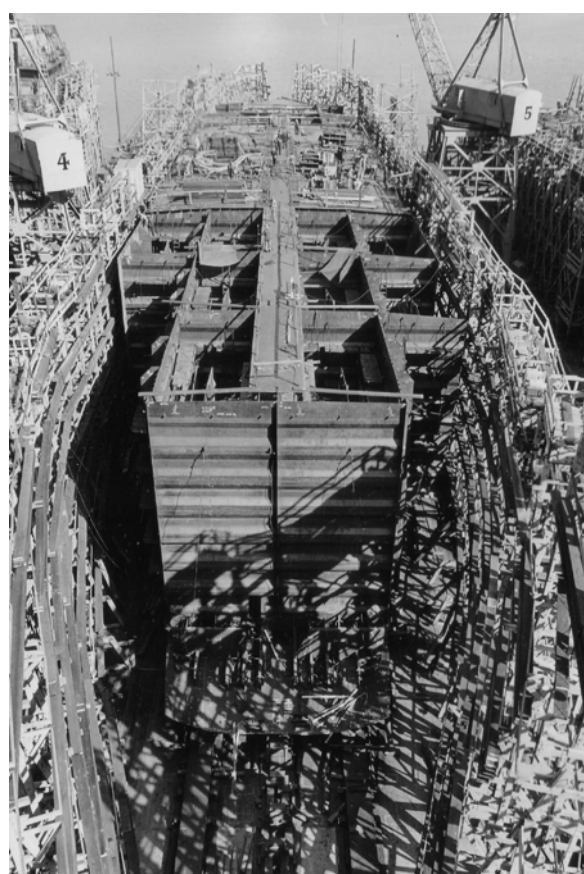
SECTION: ENGINE ROOM AFT PUMP ROOM AFT



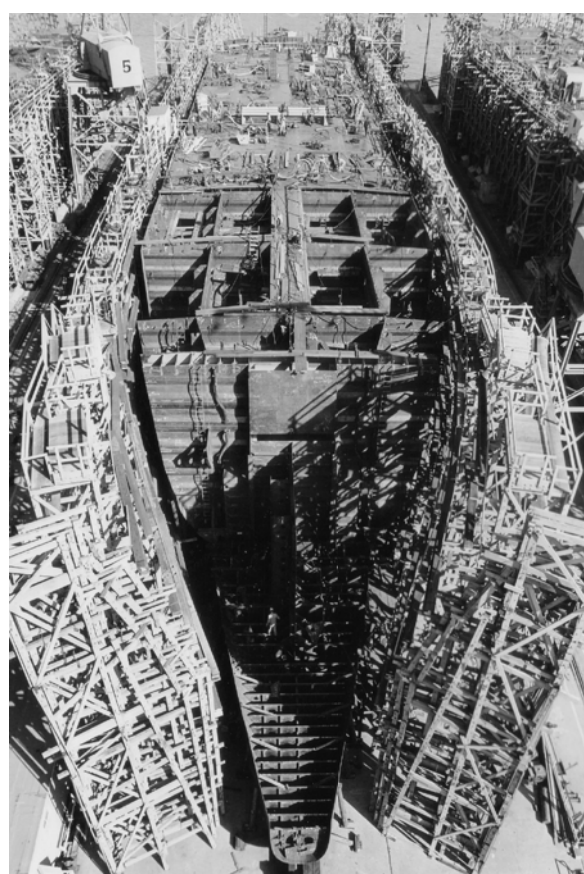
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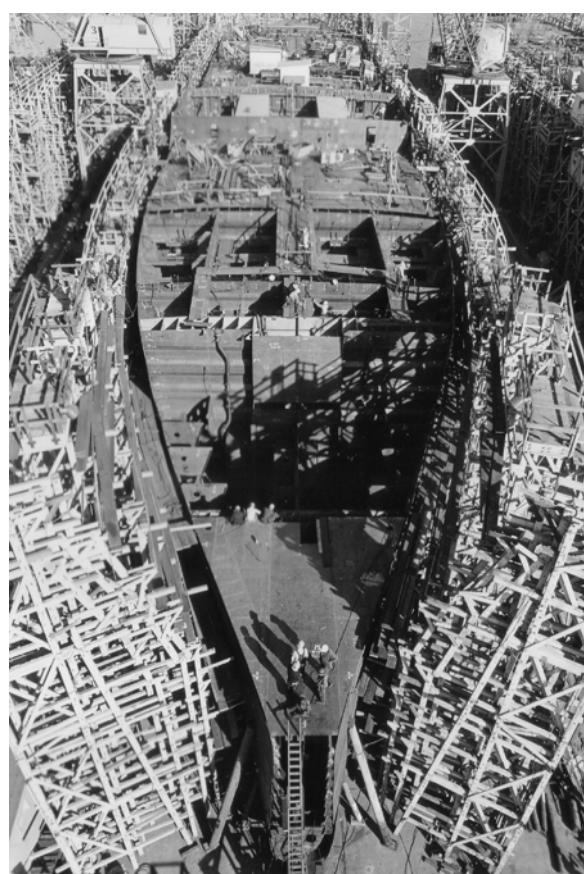
BOW VIEW HULL 37, WAY 2
November 26, 1943
0 Days after Keel



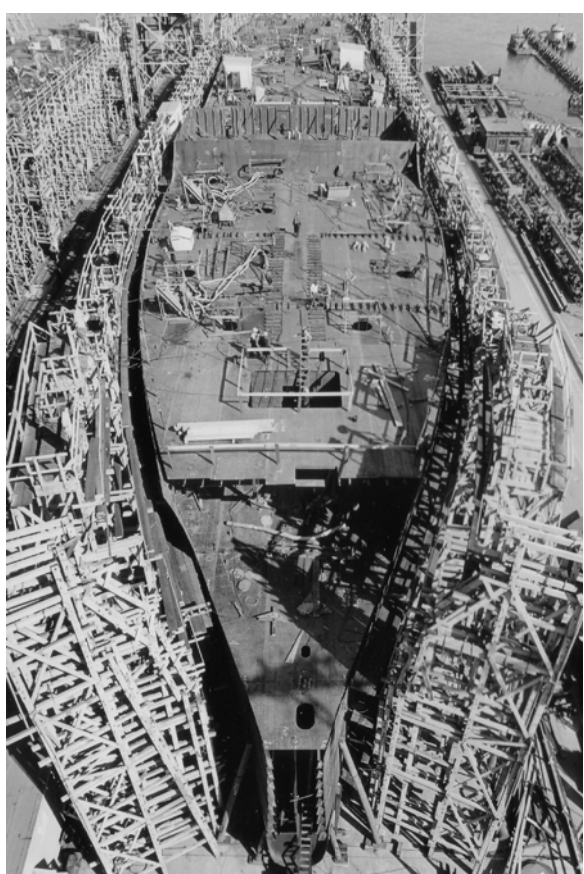
BOW VIEW HULL 35, WAY 4
November 26, 1943
14 Days after Keel



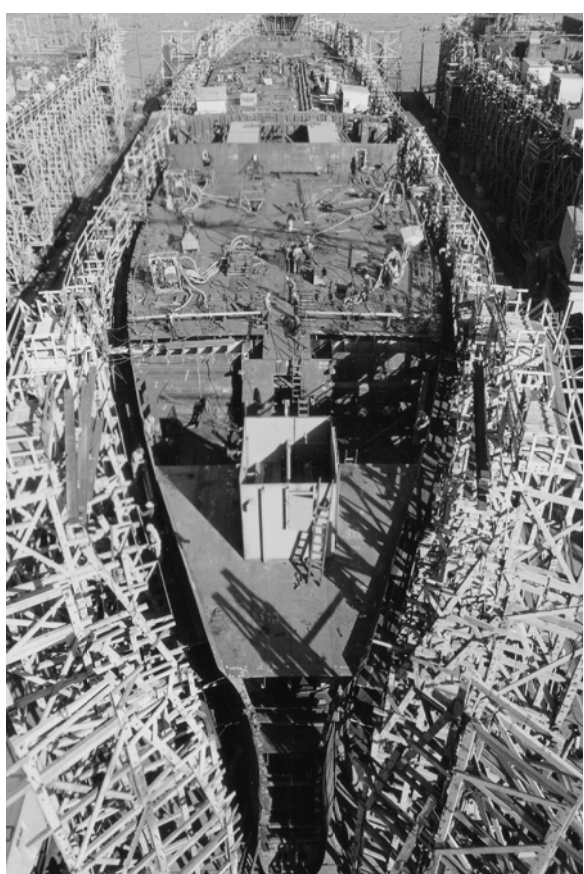
BOW VIEW HULL 34, WAY 5
October 29, 1943
21 Days after Keel



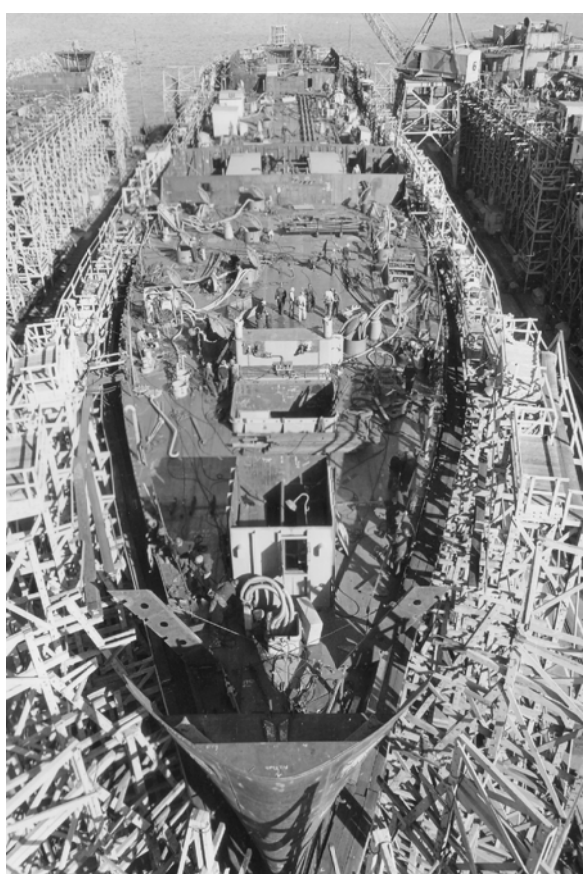
BOW VIEW HULL 34, WAY 3
November 26, 1943
25 Days after Keel



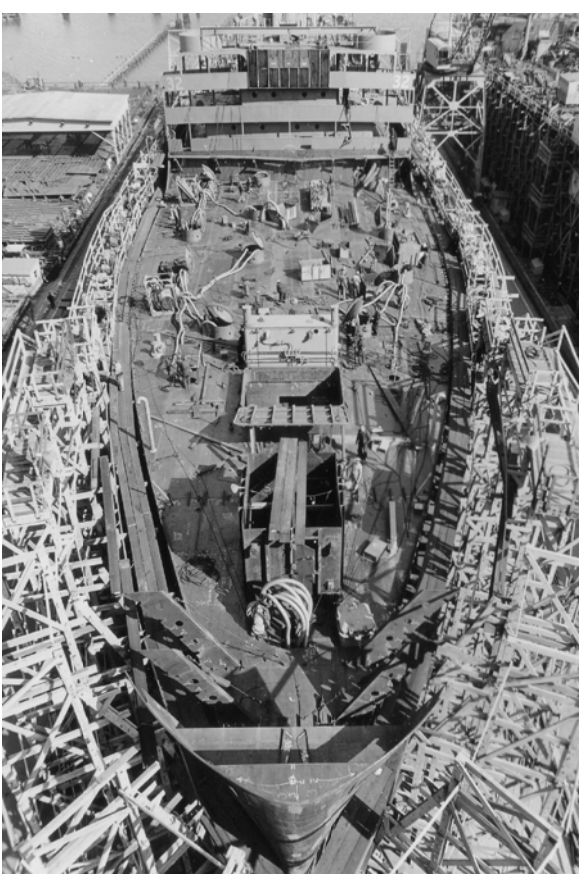
BOW VIEW HULL 33, WAY 6
October 29, 1943
34 Days after Keel



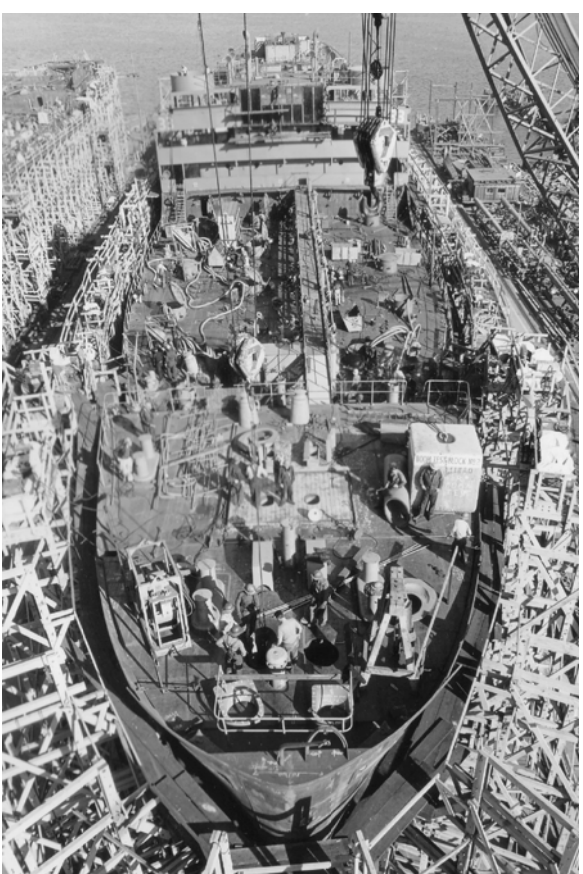
BOW VIEW HULL 35, WAY 4
November 26, 1943
42 Days after Keel



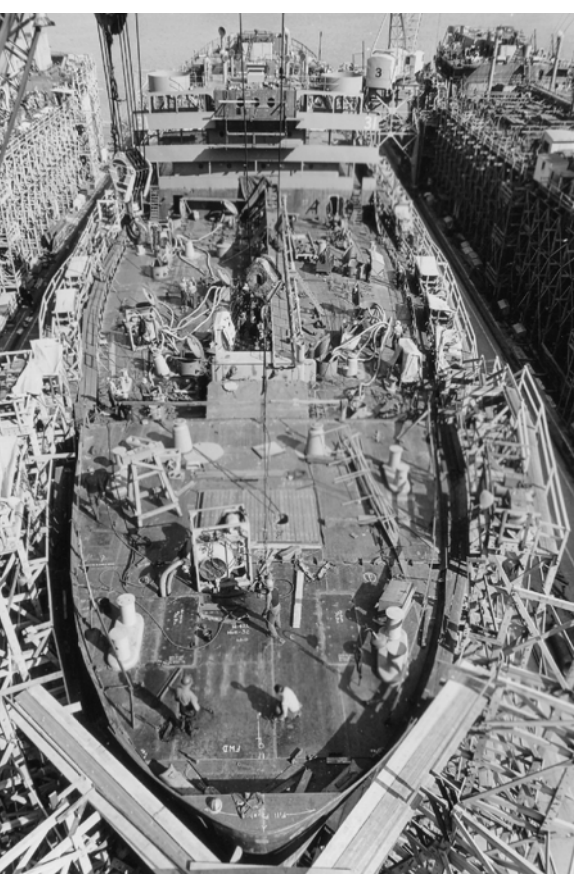
BOW VIEW HULL 34, WAY 5
November 26, 1943
49 Days after Keel



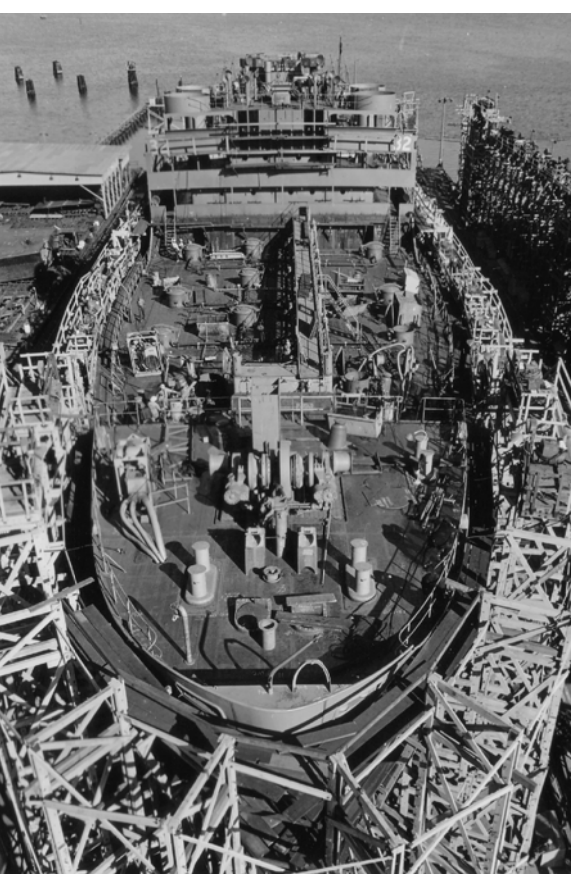
BOW VIEW HULL 32, WAY 1
October 29, 1943
50 Days after Keel



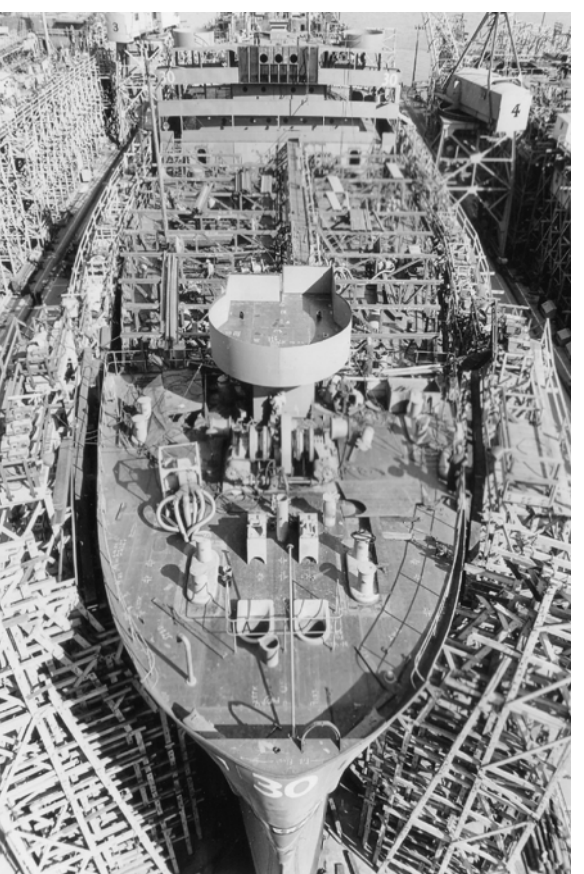
BOW VIEW HULL 35, WAY 6
November 26, 1943
62 Days after Keel



BOW VIEW HULL 31, WAY 2
October 29, 1943
64 Days after Keel

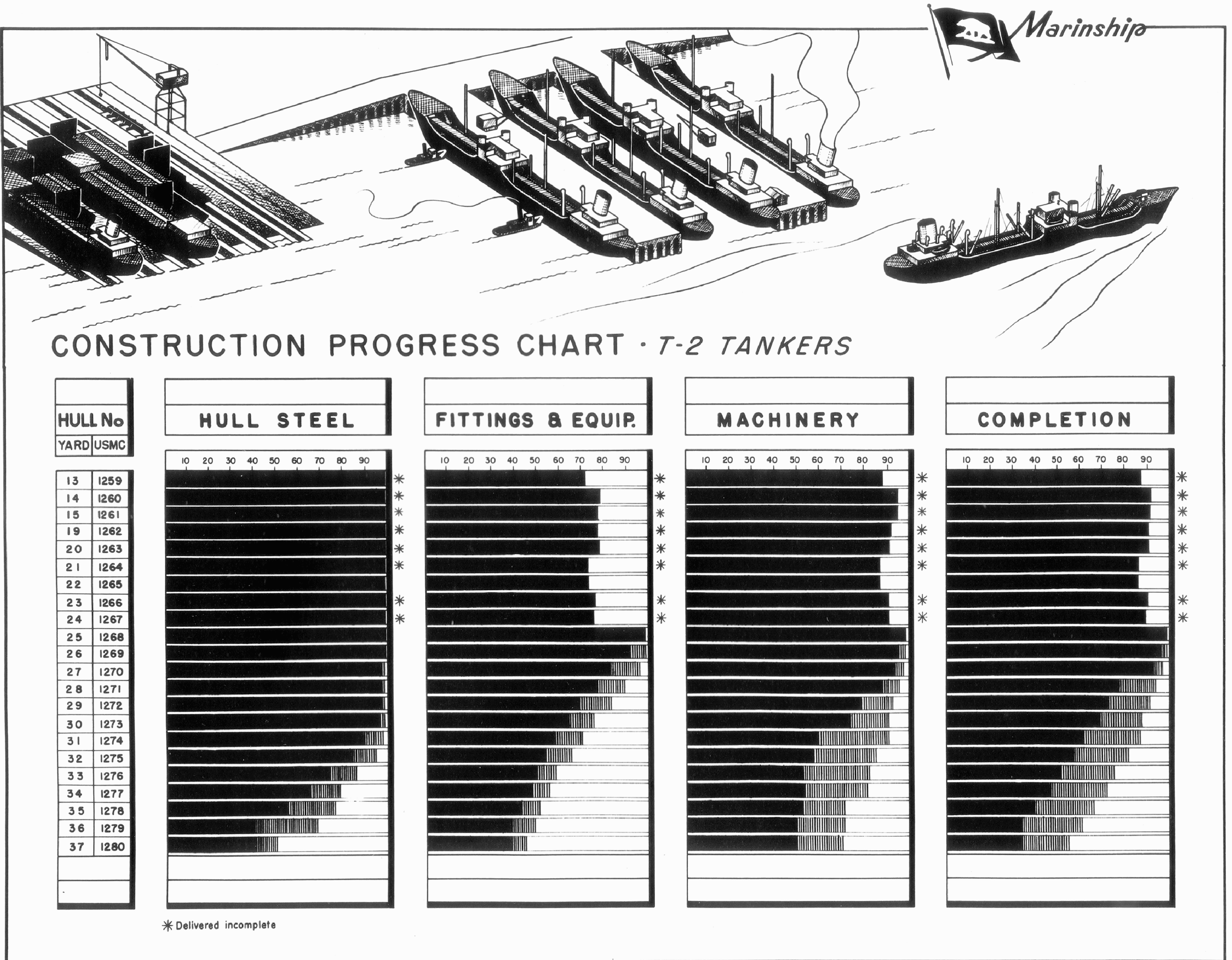
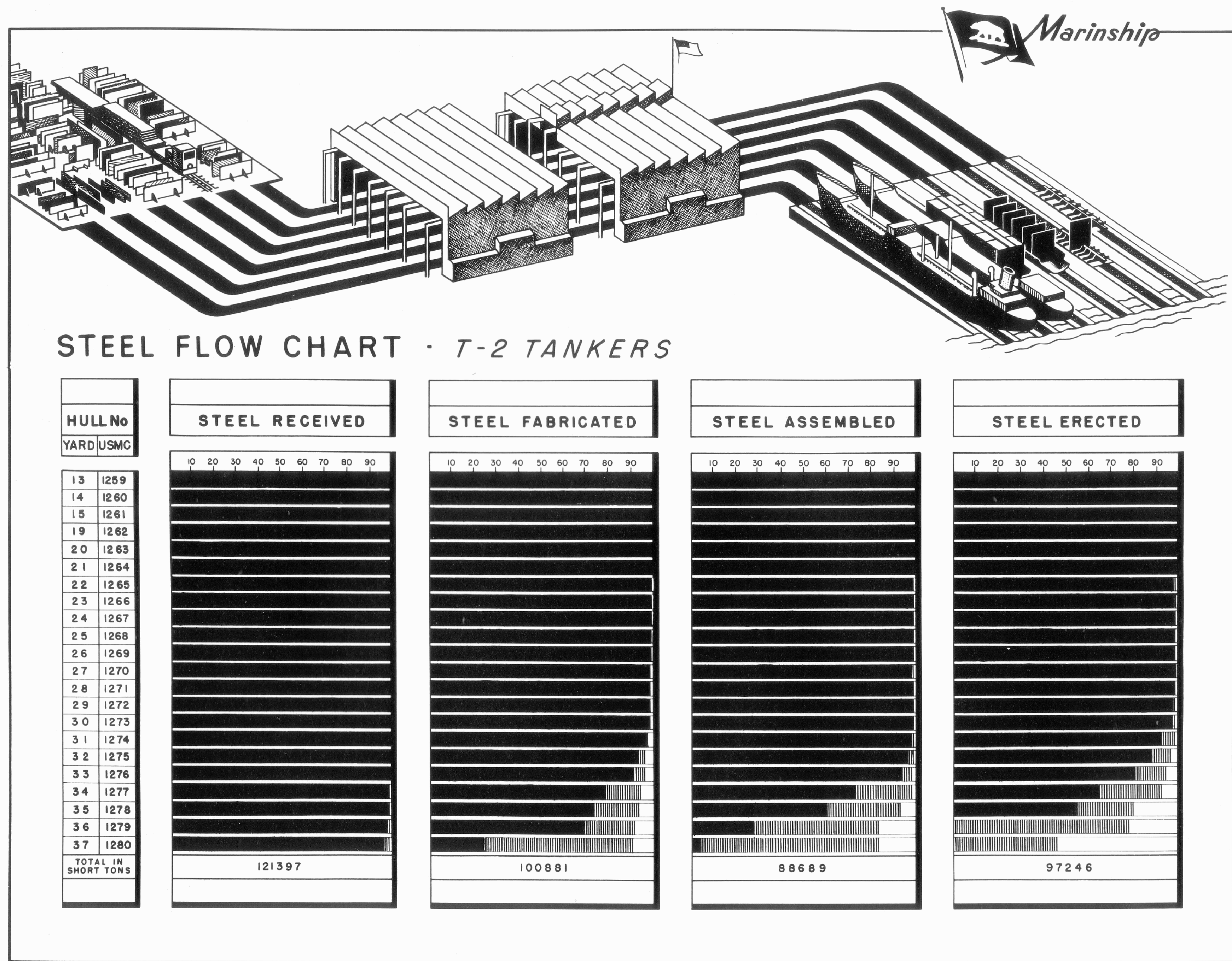


BOW VIEW HULL 32, WAY 1
November 26, 1943
78 Days after Keel



BOW VIEW HULL 30, WAY 3
October 29, 1943
79 Days after Keel

ASSEMBLY AND CONSTRUCTION OF T2 NAVY TANKERS



BOW VIEW HULL 31, DOCK A-3
November 26, 1943
1 Day after Launching



BOW VIEW HULL 29, DOCK D-1
October 29, 1943
15 Days after Launching



BOW VIEW HULL 28, DOCK A-2
October 29, 1943
22 Days after Launching



BOW VIEW HULL 30, DOCK A
November 26, 1943
26 Days after Launching



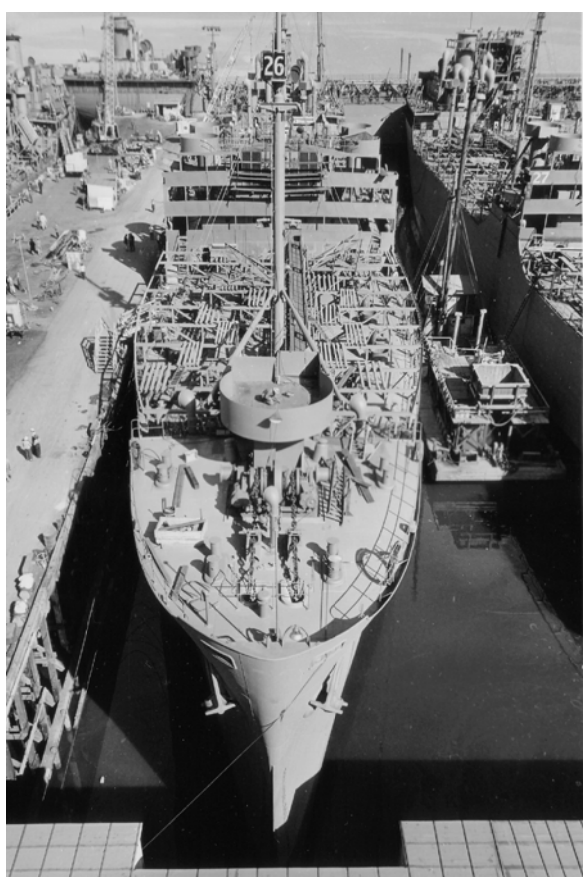
BOW VIEW HULL 29, DOCK D
November 26, 1943
43 Days after Launching



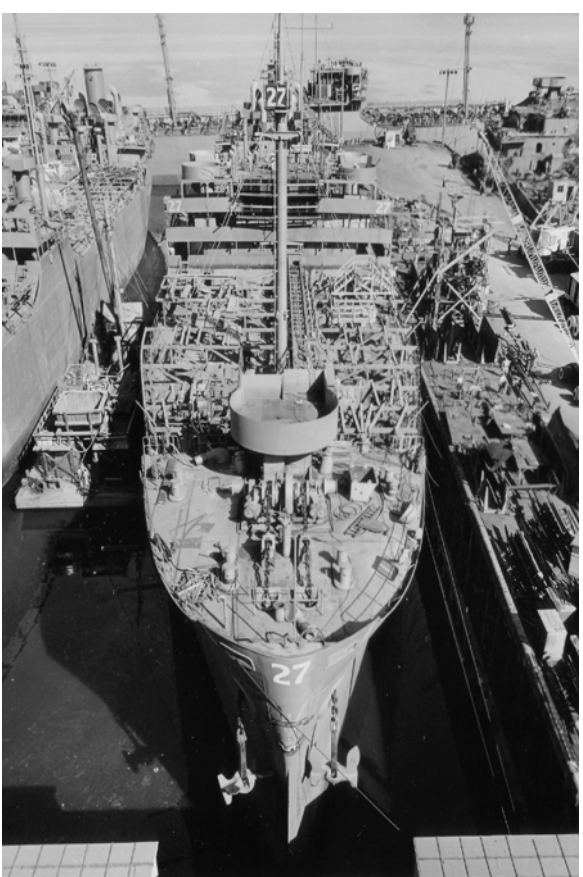
BOW VIEW HULL 28, DOCK C
November 26, 1943
50 Days after Launching



BOW VIEW HULL 26, DOCK B
October 29, 1943
51 Days after Launching



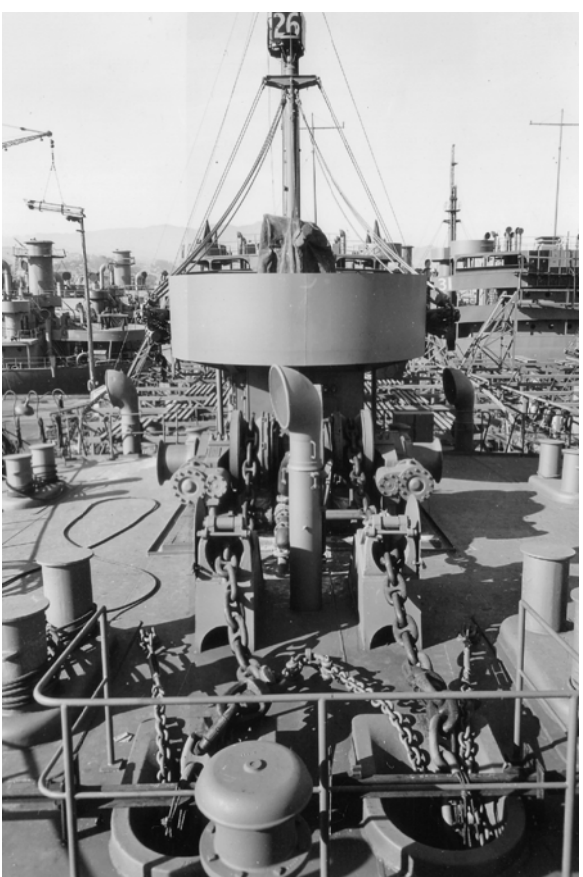
BOW VIEW HULL 27, DOCK B
October 29, 1943
55 Days after Launching



BOW VIEW HULL 27, DOCK B
November 26, 1943
63 Days after Launching



BOW VIEW HULL 26, DOCK A-2
November 26, 1943
79 Days after Launching



BOW VIEW HULL 22, DOCK A
October 29, 1943
111 Days after Launching



BOW VIEW HULL 22, DOCK A-1
November 26, 1943
139 Days after Launching

